

Catalog	Unit
TBI2694-10MG	10 mg
TBI2694-50MG	50 mg

### Product Details

**Formal Name:** 3-[3-[[[(7S)-3,4-Dimethoxy-7-bicyclo[4.2.0]octa-1,3,5-trienyl]methyl-methylamino]propyl]7,8-dimethoxy-2,5-dihydro-1H-3-benzazepin-4-one hydrochloride

**Molecular Formula:** C<sub>27</sub>H<sub>36</sub>N<sub>2</sub>O<sub>5</sub>·HCl

**Formula Weight:** 505.05

**CAS Number:** 148849-67-6

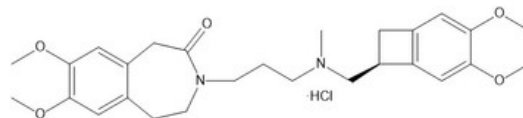
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Cardiac ion channel blocker

### Functions

Ivabradine (148849-67-6) is a clinically useful heart failure and chronic unstable angina medication. It lowers heart rate via inhibition of hyperpolarization-activated cyclic nucleotide-gated channels (HCN) expressed in the sinoatrial node (IC50's: HCN1 = 2.05 μM, HCN2 = 2.29 μM, HCN3 = 2.51 μM, HCN4 = 2.15 μM).

### Application Procedures

First dissolved in in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**